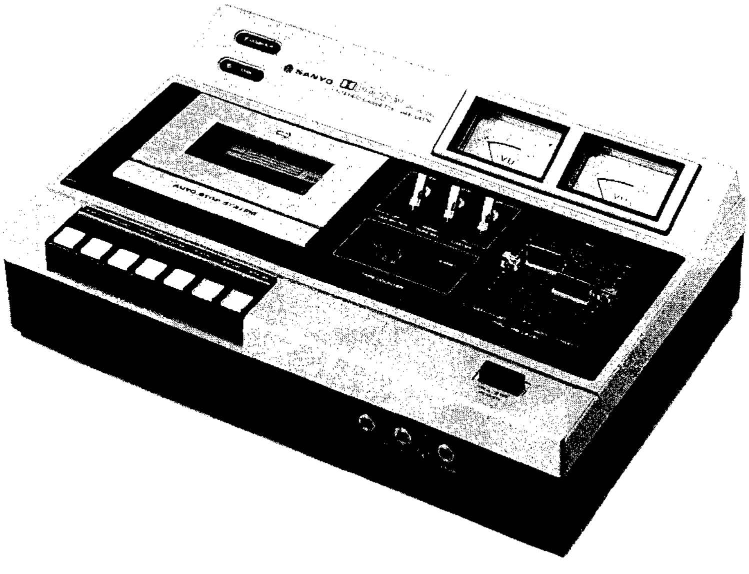
SANYO

493

SANYO
CASSETTE TAPE DECK

RD4080
RD4080 UM
RD4080 Australia

SERVICE MANUAL



SPECIFICATIONS

Tape:	Chromium dioxide or normal cassette tape
Recording system:	AC bias, 1/4 track stereo
Erasing system:	AC erase, 1/2 track
Tape speed:	1-7/8 ips. (4.75 cm/sec.)
Rewind & Fast forward time:	90 sec. (C-60)
Wow & Flutter	0.15% RMS
Bias frequency:	67 – 73 KHz
Distortion	Less than 1% (1 KHz, –60dB)
Frequency response:	30 – 13,000Hz (Normal tape) 30 – 16,000Hz (Chromium dioxide tape)
Signal to noise ratio:	Dolby N.R. OFF: 50dB ON : 58dB
Terminal impedance:	
(Input)	MIC: 10K ohms (0.25mV) LINE IN: 60K ohms (63mV) REC/PB: 10K ohms (1mV)
(Output)	LINE OUT: 5K ohms (500mV) REC/PB: 5K ohms (500mV) HEADPHONE: 8 – 10K ohm
Power source	AC: 120/200/220/240V 50/60Hz (RD4080) 110/125/220V 50/60Hz (RD4080UM) 240V 50/60Hz (RD4080AUST.).
Dimensions:	15-1/4"(W) x 10"(D) x 4-3/8"(H) (386 x 256 x 111mm)
Weight:	Approx. 8 lbs. 2 ozs. (3.7Kg)

ADJUSTMENT OF PINCH ROLLER

1. Set the unit to the PLAY mode.
2. Apply a tension gauge to the pinch roller. Read the gauge at the precise moment when the pinch roller separates from the capstan.
3. If the gauge reading is within a range of more than 200 g, no adjustment is necessary. If otherwise, make adjustment by changing the force of the spring coil. (See exploded view No. 23)

TORQUE ADJUSTMENT

1. Set the unit to the PLAY, FAST FORWARD or REWIND mode.
2. Measure the each torque with a torque gauge. They should be as following;

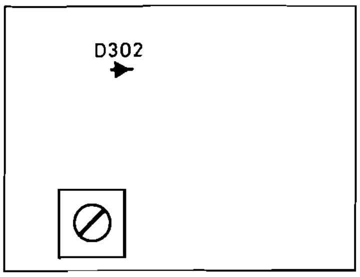
PLAY	30 – 60 g/cm
FAST FORWARD	55 – 110 g/cm
REWIND	55 – 110 g/cm

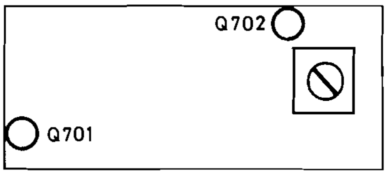
3. If the each torque fails to reach the standard value. Clean the drive belt, flywheel, motor pulley, take-up reel, idler and rewind roller with a cotton swab soaked in alcohol.

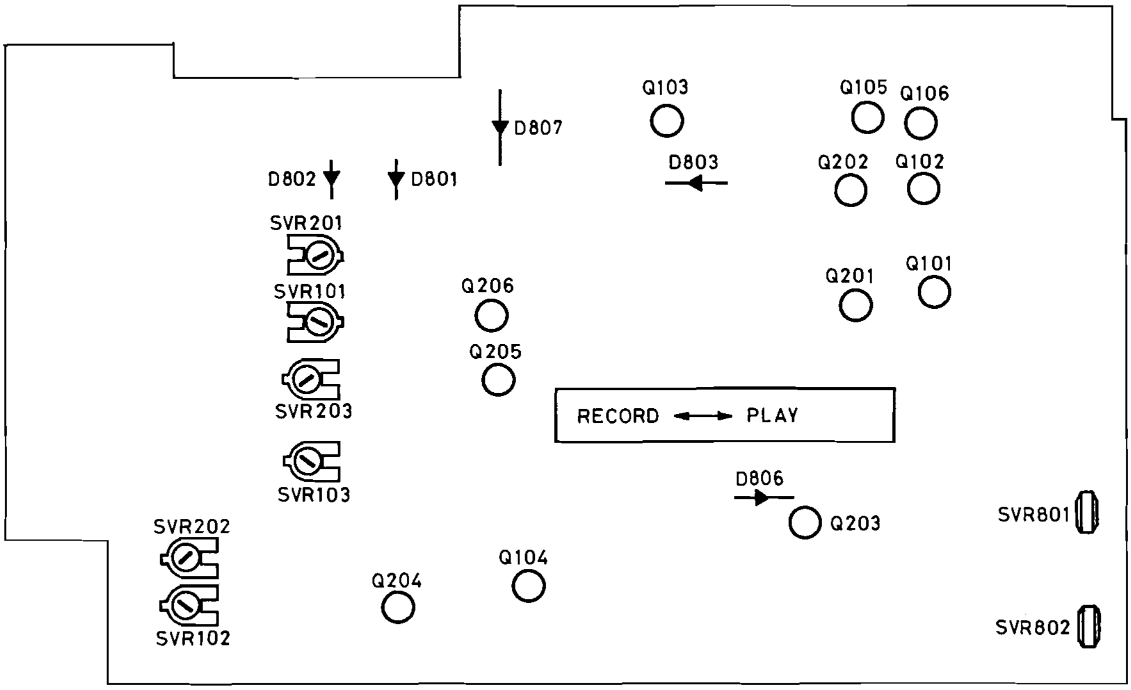
AUTO SHUT-OFF ADJUSTMENT

1. Set the unit to the PLAY mode.
2. Apply a tension gauge to the sensor. Push the gauge and measure the sensor pressure.
3. The sensor pressure should be 30 – 50 g.
4. If a sensor pressure of more than 50 g, or less than 30 g, adjust the spring coil (See exploded view No. 25).

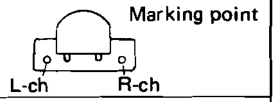
PARTS LOCATION







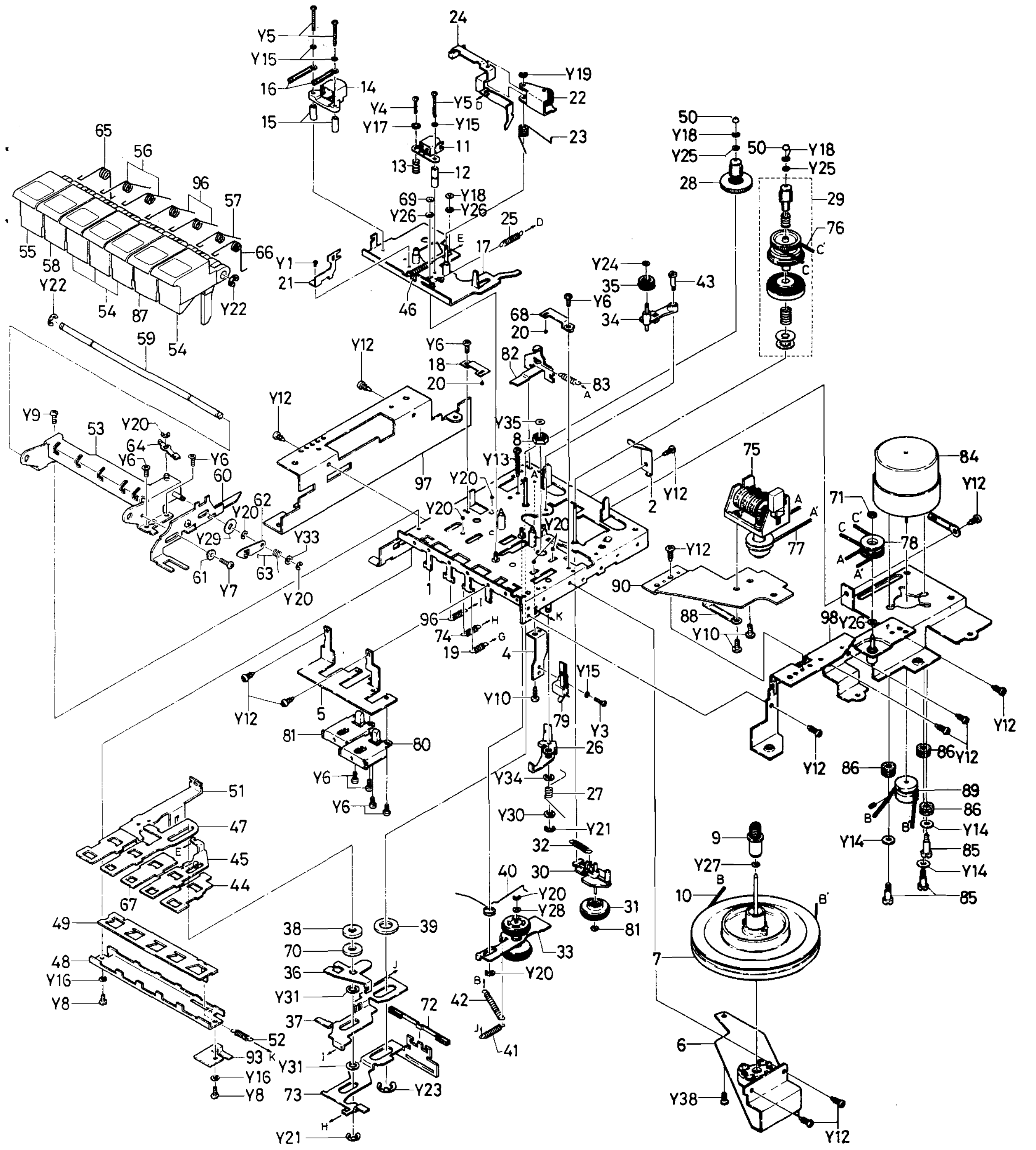
ADJUSTMENT

No.		Using test tape	Test point	Input terminals	Input frequency	Input level	Tape SW position	Dolby SW position	DIN. Mic line	REC/PB Volume	Adjust-ment	Remarks
1	Head azimuth	VTT-658 10kHz −15dB	LINE OUT	–	–	–	Normal	OFF	–	Max.	Azimuth screw	Adjust azimuth screw to obtain maximum 10kHz output for both L and R channels.
2	Output level	MTT-150 Dolby tape	LINE OUT	–	–	–	Normal	OFF	–	Max.	SVR101 SVR201	Adjust SVR101 & SVR201 & obtain output of 580mV ±0.5dB at LINE OUT. (Playback volume to max. position.)
3	Meter	MTT-150 Dolby tape	LINE OUT meter	–	–	–	Normal	OFF	–	Max.	SVR102 SVR202	Meter reading should be +2VU point after adjusting SVR102 & SVR202 to obtain output of 580mV.
4	Bias (Provisional)	Test tape	Both terminals of R101, R201. (10 ohm)	LINE IN	–	–	Normal	–	–	–	SVR801 SVR802	Identify head base color marks and adjust as follows (Left side for L channel and right side for R channel): purple – 4mV, green – 4.5mV, black – 5mV, red – 5.5mV, blue – 6.5mV, brown – 7mV. 
5	Bias (Rec/Play frequency response)	Test tape	LINE OUT	LINE IN	1kHz 10kHz	−40dB	Normal	OFF	LINE IN	Max.	SVR801 SVR802	Record and play back at bias level adjusted as above. Re-adjust SVR801 & SVR802 to obtain output of 10kHz +2 to +3dB, when frequency response is: 1kHz = 0 dB.
6	Output level	Test tape	LINE OUT	LINE IN	1kHz	−20dB	Normal	OFF	LINE IN	Max.	SVR103 SVR203	Take note of recording monitor output and adjust SVR103 & SVR203 until REC/PLAY output corresponds to recording monitor output.

PARTS LIST

Key No.	Part No.	Description	Q'ty
PACKING			
	141-6-132T-63101	Individual carton (RD4080)	1
	141-6-132T-63100	Individual carton (RD4080UM)	1
	141-6-132T-63102	Individual carton (RD4080 Aust.)	1
	141-6-144T-26800	Styrol filler	1
	141-6-144T-26900	Styrol filler	1
	141-6-411T-73600	Instruction booklet	1
	123-6-453R-00100	Inspection sheet	2
	141-6-479T-08300	Label, DOLBY patent	1
	141-6-472T-05603	Caution label, Voltage select (RD4080 & Aust.)	1
	141-6-472T-05604	Caution label, Voltage select (RD4080UM)	1
		Polyethylene bag 450 x 600mm, Set	1
		Polyethylene bag 100 x 200mm, Patch cord	1
		Polyethylene bag 100 x 300mm, Power cord	1
		Polyethylene bag 100 x 200mm, Socket	1
		Polyethylene bag 200 x 300mm, Inst. book	1
	141-6-415T-11300	Notice, Swedish (RD4080UM only)	1
ACCESSORIES			
	4-243T-11800	Lead, RCA — RCA cord	2
	4-241T-08300	Cassette tape, DOLBY recording	1
	4-235R-11801	Socket, Siemense 2 pin type (RD4080 only)	1
	4-235R-11802	Socket, England 2 pin type (RD4080 only)	1
CABINET			
	141-0-121T-122911	Deck panel assembly	1
	141-0-124T-12891	Cassette comp. lid assembly	1
	141-0-134T-07891	Head cover assembly	1
	141-0-125T-067912	Bottom lid assembly (RD4080)	1
	141-0-125T-067911	Bottom lid assembly (RD4080UM)	1
	141-0-125T-067913	Bottom lid assembly (RD4080 Aust.)	1
	141-0-164T-12991	Slide knob assembly	2
	141-2-751T-82700	Shaft, Top lid fulcrum	1
	141-2-851T-54901	Coil spring, Top lid opener	1
	141-2-157T-24000	Inlay, Mechanism button	7
CHASSIS			
	141-2-365T-30601	Bracket, VR switch mtg.	1
	141-2-322T-26700	Shield plate, VR shield	1
	141-2-367T-27301	Bracket, MIC headphone	1
	141-2-322T-27800	Shield plate, AMP P.C.B.	1
	141-2-135T-40200	Cover, Slide switch	1
	141-2-367T-27401	Bracket, Voltage select	1
		Sheet 15 x 90mm, Bracket switch	2
	123-2-472R-00400	Lug, Shield plate earth	1
	141-2-322T-30600	Shield plate, PT	1
	141-2-373T-05800	Bracket, Meter mtg.	1
	141-2-311T-21600	Chassis, P.C.B & PT mtg. (RD4080)	1
	141-2-311T-21601	Chassis, P.C.B. & PT mtg. (RD4080UM & Aust.)	1
	141-2-363T-03400	Bracket, CR pack (RD4080 & Aust. only	1
	141-2-143T-51400	Marking plate, Rear socket	1
	141-2-462T-37500	Boss, Power switch	2
	141-2-464T-11800	Fixer, AC cord fixer (RD4080)	1
	141-2-464T-14400	Fixer, AC cord fixer (RD4080UM & Aust.)	1
	141-2-411T-04800	Plate nut, PT fixer	2
	141-2-322T-27600	Shield plate, Power switch side	1
		Fiber washer 3.3 x 10 x 1mm, AMP fixer	1
	141-2-445T-13500	Rubber cushion, Meter mtg.	2
	141-6-476T-05201	Indication label, Fuse (RD4080UM & Aust. only)	1
	141-2-135T-42200	Cover, conector (terminal board) (RD4080UM only)	1
	141-0-741T-16302	Lever assembly, EJECT	1
	141-2-851T-28100	Coil spring, EJECT	1
		Contraction tube 0.7 x 25mm, coil spring	1
CHASSIS			
	141-2-224T-04200	Bracket, Deck panel mtg.	1
	141-2-851T-84300	Coil spring, Lever returning	1
	141-2-161T-17600	Push button, Power switch (RD4080 & Aust.)	1
	141-2-161T-28400	Push button, Power switch (RD4080UM)	1
	141-2-852T-30001	Wire spring, REC select	1
	141-2-751T-83900	Shaft, REC	1
	141-2-741T-71500	Lever, Safety recording	1
	141-2-462T-29000	Boss, Lever mtg.	1
	141-2-852T-31100	Wire spring, REC shaft mtg.	1
	141-2-472T-04300	Lug, Head lead retainer	1
	141-2-472T-01000	Lug, Lead retainer	3
	123-2-472R-00600	Lug, Lead retainer	1
	123-2-472R-00400	Lug, Lead retainer	1
	141-2-741T-77200	Lever, REC	1
	141-2-751T-83400	Shaft, REC shaft (T-839) mtg.	1
		Adhesive cushion 10 x 10 x 160mm, Panel	1
ELECTRICAL PARTS			
	4-251T-47800	Power transformer 120/200/240V (RD4080)	1
	4-251T-47900	Power transformer 110/125/220V (RD4080UM)	1
	4-251T-48700	Power transformer 240V (RD4080 Aust.)	1
	4-511T-07300	Meter	2
VR101, 201	4-222T-12471	Variable resistor 50KD	2
	123-2-472R-00300	Lug	1
	4-231T-51900	Switch, AC (RD4080 & Aust.)	1
	4-231T-53700	Switch, AC (RD4080UM)	1
	4-231T-52900	Switch, LINE/DIN/MIC	1
	4-231T-37603	Switch, Voltage select (RD4080 only)	1
	4-231T-53600	Switch, Voltage select (RD4080 UM only)	1
	4-243R-00100	Power supply cord (RD4080)	1
	4-243R-77171	Power supply cord (RD4080UM)	1
	4-243T-76600	Power supply cord (RD4080 Aust.)	1
	141-2-382T-02000	Terminal clip, AC cord (RD4080 only)	2
	4-227T-01000	CR pack (RD4080 only)	1
	141-2-383T-02001	Fuse holder (RD4080UM only)	1
	4-234T-04000	Fuse 200mA, Amp (RD4080UM only)	1
	4-234T-01100	Fuse 315mA, Meter & Motor (RD4080UM only)	2
	4-237T-06900	Terminal bourd (RD4080UM only)	1
		AMP PCB ASSY	
	4-226T-815911	Printed circuit board assembly, AMP	1
SVR101,103 201,203	4-222T-39375	Variable resistor 10KB	4
SVR102,202	4-222T-39577	Variable resistor 50KB	2
SVR801,802	4-222T-41078	Variablre resistor 100KB	2
L101,201	4-253T-01019	High frequency choke coil 4.7mH	2
L102,202	4-252T-05200	Low frequency choke coil 10mH	2
L801	4-253R-10100	High frequeocy choke coil 100μH	1
	4-235T-23200	Socket, MIC	2
	4-235T-23100	Socket, 5P DIN	1
	4-235T-23000	Socket, Headphone	1
	4-235T-23700	Socket, RCA	4
	4-231T-45672	Switch, R/P	2
	4-237T-00100	Terminal, Wire wrap pin	31
Q101,102 201,202		Transistor 2SC1571 or 2SC1327	4
Q103,203 105,205		Transistor 2SC945	4
Q104,204		Transistor 2SC536	2
Q105,205		Transistor 2SC536	2
D801,802, 807		Rectifier 1N4001	3
D803,806		Diode DS442	2

EXPLODED VIEW



TM-4052 11.26.1975

PARTS LIST

Key No.	Part No.	Description	Q'ty
SCREW MOUNTING			
		Pan head screw 2 x 4mm	1
		Pan head screw 2 x 6mm	1
		Pan head screw 2.6 x 4mm	3
		Pan head screw 3 x 4mm	4
		Pan head screw 3 x 10mm	4
		Pan head screw 4 x 8mm	6
		Tapping screw 2.3 x 6mm	1
		Tapping screw 3 x 6mm	5
		Tapping screw 3 x 8mm	3
		Washer 3mm	2
		Washer 4mm	6
		Washer 2mm	1
		Washer 3.3 x 8 x 0.5mm	1
		Washer 3.3 x 13 x 1mm	2
		External tooth lock washer 3mm	1
		External "E" ring 2mm	1
		External "E" ring 4mm	6
		Pan head screw with washer 3 x 4mm	1
		Pan head screw with washer 3 x 8mm	3
		Pan head screw with spring washer 3 x 6mm	2
		Pan head screw with spring washer 3 x 8mm	2
		Tapping screw with washer 3 x 6mm	2
		Tapping screw with washer 3 x 10mm	7
		Thread rolling screw 3 x 8mm	2
MECHANISM			
1	141-0-311T-01903	Chassis	1
2	141-2-853T-33300	Plate spring, Cassette pressure	1
3	123-2-472R-00600	Lug	1
4	141-2-365T-22600	Bracket, Power supply switch mtg.	1
5	141-2-365T-26100	Bracket, Muting switch mtg.	1
6	141-0-524T-06191	Bracket assembly, Flywheel mtg.	1
7	141-0-521T-05100	Flywheel assembly	1
8	141-2-411T-02601	Plate nut, Bracket mtg.	1
9	141-0-573T-01000	Bracket assembly, Flywheel	1
10	141-2-564T-14700	Square belt, Flywheel drive	1
11	4-242T-18500	R/P head	1
12	141-2-461T-19300	Pipe, R/P head mtg.	1
13	141-2-851T-54500	Coil spring	1
14	4-242T-13600	E head	1
15	141-2-461T-19200	Pipe, E head mtg.	2
16	141-2-472T-02200	Lug, E head earth mtg.	2
17	141-0-731T-06300	Slide assembly, Head slide	1
18	141-2-853T-27800	Plate spring, Slide (17) pressure	1
19	141-2-851T-71800	Coil spring, Slide (17) returning	1
20		Stell ball 2mm, Head slide Plate spring	6
21	141-2-821T-09500	Tape guide	1
22	141-0-545T-01000	Pinch roller lever assembly	1
23	141-2-851T-71700	Coil spring, Pinch roller pressure	1
24	141-0-721T-00900	Lever shut off assembly, Auto stop	1
25	141-2-851T-91000	Coil spring, Auto stop	1
26	141-2-741T-60700	Lever, Kick lever	1
27	141-2-851T-72200	Coil spring, Kick lever	1
28	141-0-531T-02300	Reel plate assembly, Supply reel	1
29	141-0-531T-02400	Reel plate assembly, Take up reel	1
30	141-0-731T-06000	Slide assembly, Play idler mtg.	1
31	141-2-551T-02100	Play idler	1
32	141-2-851T-73700	Coil spring, Pulley pressure	1
33	141-0-551T-00800	Idler assembly, REW & FWD roller	1
34	141-0-741T-09800	Lever assembly, FWD lever	1
35	141-2-551T-02000	Idler, REW roller	1
36	141-2-741T-60500	Lever, REW operation	1
37	141-2-731T-26801	Slide, F.FWD operation	1
38	141-2-457T-07800	Special washer, Spacer	1
39	141-2-457T-07900	Special washer, Spacer	1
40	141-2-851T-72000	Coil spring, F.FWD operation	1
41	141-2-851T-73300	Coil spring, Idler (33) returning	1
42	141-2-851T-73900	Coil spring, Idler (33) returning	1
43	141-2-421T-13500	Special screw, REW lever (34) fulcrum	1
44	141-2-731T-27000	Slide, STOP button	1
45	141-2-731T-26400	Slide, PLAY button	1
46	141-2-851T-73800	Coil spring, Slide (45) returning	1
47	141-2-731T-26500	Slide, REW button	1
48	141-2-673T-03100	Slide cam, Slide mtg.	1
49	141-2-614T-04601	Lever, Lock slide	1
50	141-2-536T-01700	Fix reel plate, Reel cap	2
51	141-2-731T-27101	Slide, REC button	1
52	141-2-851T-73600	Coil spring, Lock slide returning	1

Key No.	Part No.	Description	Q'ty
MECHANISM			
53	141-0-613T-00100	Flame assembly, Push button mtg.	1
54	141-2-611T-08600	Lever, Push button	4
55	141-2-611T-08601	Lever, Eject button	1
56	141-2-851T-71300	Coil spring, Push button returning	2
57	141-2-851T-71400	Coil spring, Stop button returning	1
58	141-2-611T-08602	Lever, REC button	1
59	141-2-612T-03300	Shaft, Push button	1
60	141-0-652T-00101	Slide assembly, PAUSE	1
61	141-2-462T-24600	Boss	1
62	141-2-671T-04100	Cam, Lock lever	1
63	141-2-851T-72300	Coil spring, Lever returning	1
64	141-2-651T-01300	Lever, PAUSE	1
65	141-2-851T-71500	Coil spring, Eject returning	1
66	141-2-851T-71600	Coil spring, Pause-returning	1
67	141-2-731T-26600	Slide, F.FWD button	1
68	141-2-853T-38700	Plate spring, Head slide pressure	1
69	141-2-457T-04100	Special washer, Head slide pressure	1
70	141-2-457T-08100	Special washer, Spacer	1
71	141-2-457T-04100	Special washer, Counter relay	1
72	141-0-713T-00100	Brake plate spring assembly	1
73	141-2-731T-26901	Main slide	1
74	141-2-851T-73500	Coil spring, Main slide returning	1
75	141-2-811T-04500	Counter	1
76	141-2-564T-13300	Square belt, Reel plate to Relay pulley S	1
77	141-2-564T-15200	Square belt, Relay pulley to Counter L	1
78	141-2-661T-16601	Pulley, Counter relay	1
79	4-231T-42600	Power supply switch	1
80	4-231T-43000	Muting switch	2
81	141-2-457T-04100	Special washer	1
82	141-2-741T-60800	Lever, Unti miss recording	1
83	141-2-851T-56100	Coil spring, Lever (82) mtg.	1
84	4-527T-09300	DC motor	1
85	141-2-421T-16000	Special screw, Motor mtg.	3
86	141-2-445T-11801	Rubber cushion, Motor mtg.	3
87	141-2-611T-08603	Lever, STOP button	1
88	141-2-472T-01000	Lug, Bracket (90) Counter mtg.	1
89	141-0-661T-69991	Motor pulley assembly	1
90	141-2-812T-05400	Bracket, Counter mtg.	1
93	141-2-747T-07800	Bracket, Lock slide	1
96	141-2-851T-92900	Coil spring, Slide (37,45) returning	2
97	141-2-316T-08300	Chassis mounting, Right	1
98	141-0-316T-00100	Chassis mounting assembly, Left	1
MECHANISM SCREW			
Y 1		Pan head screw 2 x 2mm	1
Y 4		Pan head screw 2 x 8mm	2
Y 5		Pan head screw 2 x 15mm	3
Y 6		Pan head screw 2.6 x 4mm	4
Y 7		Pan head screw 2.6 x 5mm	1
Y 8		Pan head screw 3 x 4mm	2
Y 9		Pan head screw 3 x 5mm	1
Y10		Pan head screw 3 x 6mm	1
Y12		Tapping screw 3 x 6mm	7
Y13		Tapping screw 3 x 18mm	1
Y14		Washer 3 x 8 x 0.5mm	2
Y15		Spring washer 2mm	4
Y16		Spring washer 3mm	2
Y17		Internal tooth lock washer 2.6mm	1
Y18		External "E" ring 1.5mm	3
Y19		External "E" ring 1.9mm	1
Y20		External "E" ring 2.3mm	5
Y21		External "E" ring 3.2mm	3
Y22		External "E" ring 4mm	2
Y23		External "E" ring 6mm	1
Y24		Graphite nylon washer 1.5 x 5 x 0.5mm	1
Y25		Graphite nylon washer 2 x 4 x 0.25mm	4
Y26		Graphite nylon washer 2 x 4 x 0.5mm	3
Y27		Graphite nylon washer 2.6 x 5 x 0.5mm	1
Y28		Graphite nylon washer 3 x 4.5 x 0.5mm	1
Y29		Graphite nylon washer 3.6 x 6 x 0.5mm	1
Y30		Graphite nylon washer 4.2 x 6 x 0.13mm	1
Y31		Graphite nylon washer 5.1 x 8 x 0.25mm	3
Y33		Graphite nylon washer 3.1 x 6 x 0.5mm	1
Y34		Graphite nylon washer 4.1 x 8 x 0.3mm	1
Y35		Nylon washer 2.4 x 6 x 0.5mm	1
Y37		Tapping screw with washer 3 x 6mm	1
Y38		Pan head screw 3 x 8mm	1

PARTS LIST

Key No.	Part No.	Description	Q'ty
		CAPACITORS	
C111,211		Electrolytic 0.33μF 16WV	2
C108,208		Electrolytic 1μF 16WV	2
C112,113 212,213		Electrolytic 1μF 25WV	4
C103,203		Electrolytic 2.2μF 25WV	2
C106,206		Electrolytic 4.7μF 25WV	2
C110,210		Electrolytic 22μF 16WV	2
C107,207 801		Electrolytic 47μF 6.3WV	3
C802		Electrolytic 47μF 16WV	1
C811		Electrolytic 100μF 10WV	1
C803		Electrolytic 220μF 10WV	1
C809		Electrolytic 470μF 16WV	1
C810		Electrolytic 470μF 25WV	1
C808		Electrolytic 1000μF 25WV	1
C116,216		Mylar 470pF ±10% 50WV	2
C102,202		Mylar 820pF ±10% 50WV	2
C115,215		Mylar 0.001μF ±20% 50WV	2
C105,205		Mylar 0.0068μF ±5% 50WV	2
C117,217		Mylar 0.0068μF ±20% 50WV	2
C109,209		Mylar 0.018μF ±10% 50WV	2
C114,214		Mylar 0.027μF ±10% 50WV	2
C812,815		Mylar 0.033μF ±20% 50WV	2
C118,218		Ceramic 100pF ±20% 50WV	2
C807		Ceramic 180pF ±10% 50WV	1
C104,204		Ceramic 220pF ±20% 50WV	2
C804,805		Ceramic 470pF ±10% 50WV	2
C101,201		Ceramic 820pF ±10% 50WV	2
		RESISTORS	
R101,201		Carbon 10 ohm ±10% 1/4W	2
R120,220		Carbon 100 ohm ±10% 1/4W	2
R107,207		Carbon 150 ohm ±10% 1/4W	2
R804		Carbon 220 ohm ±10% 1/4W	1
R121,221		Carbon 390 ohm ±10% 1/4W	2
R138,238		Carbon 560 ohm ±10% 1/4W	2
R803		Carbon 1K ohm ±10% 1/4W	1
R110,129, 131,210, 229,231		Carbon 1.2K ohm ±10% 1/4W	6
R116,216		Carbon 1.8K ohm ±10% 1/4W	2
R115,215, 135,235		Carbon 2.2K ohm ±10% 1/4W	4
R137,237		Carbon 3.3K ohm ±10% 1/4W	2
R122,222		Carbon 3.9K ohm ±10% 1/4W	2
R123,125, 223,225		Carbon 4.7K ohm ±10% 1/4W	4
R102,124, 118,202, 224,140, 240		Carbon 5.6K ohm ±10% 1/4W	7
R810		Carbon 5.6K ohm ±10% 1/4W (RD4080UM only)	1
R109,130, 209,230		Carbon 6.8 K ohm ±10% 1/4W	4
R103,104 203,204 802		Carbon 10K ohm ±10% 1/4W	5
R106,206		Carbon 12K ohm ±10% 1/4W	2
R111,211		Carbon 15K ohm ±10% 1/4W	2
R128,228		Carbon 18K ohm ±10% 1/4W	2
R112,127, 132,212 227,232		Carbon 22K ohm ±10% 1/4W	6
R114,214		Carbon 33K ohm ±10% 1/4W	2
R119,139 219,239, 801		Carbon 47K ohm ±10% 1/4W	5
R117,217		Carbon 100K ohm ±10% 1/4W	2
R126,226		Carbon 220K ohm ±10% 1/4W	2
R108,208		Carbon 330K ohm ±10% 1/4W	2
R105,205		Carbon 390K ohm ±10% 1/4W	2
R113,213		Carbon 1M ohm ±10% 1/4W	2

Key No.	Part No.	Description	Q'ty
SWITCH PCB ASSY			
	4-226T-816911	Printed circuit board assembly, SWITCH	1
	4-231T-500911	Switch assembly, LIMITER	1
	4-231T-476912	Switch assembly, TAPE SELECT & DOLBY	2
	4-237T-00100	Terminal, Wire wrap pin	13
R134,234		Carbon P type 180K ohm ±10% 1/4W	2
R136,236		Carbon P type 1M ohm ±10% 1/4W	2
DOLBY PCB ASSY			
	4-226T-796911	Printed circuit board assembly, DOLBY	2
L301,401	4-252T-05600	Low frequency choke coil 36mH	2
L302,402	4-252T-02800	Low frequency choke coil 23mH	2
	4-236T-09600	Plug 6P	2
	4-235T-32400 or 4-235T-32100	Socket, IC	2
	206-5-995T-05452	IC NE545B	2
D302,402		Diode 1S188	2
		CAPACITORS	
C303,309 403,409		Electrolytic 0.1μF 16WV	4
C310,410		Electrolytic 0.33μF 16WV	2
C305,405		Electrolytic 1μF 16WV	2
C307,308, 312,407, 408,412		Electrolytic 10μF 16WV	6
C302,402		Electrolytic 47μF 16WV	2
C304,404		Electrolytic 4.7μF 16WV	2
C301,401		Electrolytic 220μF 16WV	2
C318,418		Mylar 0.0022μF ±20% 50WV	2
C317,417		Mylar 0.0027μF ±10% 50WV	2
C316,416		Mylar 0.0039μF ±20% 50WV	2
C311,411		Mylar 0.0047μF ±5% 50WV	2
C314,414		Mylar 0.0056μF ±5% 50WV	2
C313,413		Mylar 0.027μF ±5% 50WV	2
C306,406		Mylar 0.047μF ±5% 50WV	2
C315,415		Ceramic 150pF ±10% 50WV	2
		RESISTORS	
R302,402		Carbon 120 ohm ±10% 1/4W	2
R308,408		Carbon 180 ohm ±10% 1/4W	2
R301,311, 401,411		Carbon 1K ohm ±10% 1/4W	4
R306,406		Carbon 3.3K ohm ±5% 1/4W	2
R307,407		Carbon 47K ohm ±5% 1/4W	2
R309,409		Carbon 100K ohm ±10% 1/4W	2
R305,405		Carbon 150K ohm ±5% 1/4W	2
R304,404		Carbon 270K ohm ±10% 1/4W	2
R303,403		Carbon 680K ohm ±5% 1/4W	2
LED PCB ASSY			
	4-226T-822911	Printed circuit board assembly, LED	1
D804,805		Luminous diode SLP24B	2
R805,806		Carbon P type 1.8K ohm ±10% 1/4W	2
	141-2-135T-11100	Spacer, LED	2
METER PCB ASSY			
	4-226T-85891	Printed circuit board assembly, METER	2
	4-236T-09600	Plug, 6P	2
Q501,502 601,602		Transistor 2SC536	4
D501,502, 503,601, 602,603		Diode 1S188	6

PARTS LIST

Key No.	Part No.	Description	Q'ty
METER PCB ASSY			
C501,601		Electrolytic 2.2μF 16WV	2
C502,504, 505,602, 604,605		Electrolytic 4.7μF 16WV	6
C503,603		Electrolytic 47μF 6.3WV	2
R504,506 604,606		Carbon P type 1K ohm ±10% 1/4W	4
R503,603		Carbon P type 3.3K ohm ±10% 1/4W	2
R507,607		Carbon P type 3.9K ohm ±10% 1/4W	2
R508,608		Carbon P type 4.7K ohm ±10% 1/4W	2
R501,601		Carbon P type 8.2K ohm ±10% 1/4W	2
R502,602		Carbon P type 18K ohm ±10% 1/4W	2
R505,605		Carbon P type 47K ohm ±10% 1/4W	2

Key No.	Part No.	Description	Q'ty
OSC PCB ASSY			
	4-226T-797911	Printed circuir board assembly, OSC	1
	4-258T-12800	OSC coil	1
	4-236T-09671	Plug 6P	1
Q701		Transistor 2SC1317	1
Q702		Transistor 2SC536	1
C701		Mylar 0.0033μF ±10% 50WV	1
C702,703		Mylar 0.022μF ±20% 50WV	2
C704		Electrolytic 4.7μF 25WV	1
C705,706, 707		Electrolytic 220μF 25WV	3
R702,703		Carbon P type 8.2 ohm ±10% 1/4W	2
R704		Solid type 8.2 ohm ±10% 1/2W	1
R706		Solid type 33 ohm ±10% 1/2W	1
R705		Carbon P type 2.2K ohm ±10% 1/4W	1
R701		Carbon P type 18K ohm ±10% 1/4W	1

MEMO

493/4

MODIFICATION NOTICE

SANYO

CASSETTE TAPE DECK

Chassis Nos.
Serial Nos.
Run Nos.
Date

Date Jun. 20, 1977 Issued by

RD 4080	RD 4055	RD 4260
RD 4080 G	RD 4055 G	RD 4260 G
RD 4080 UM	RD 4055 UM	RD 4050
RD 4080 AUS	RD 4450 CANADA	

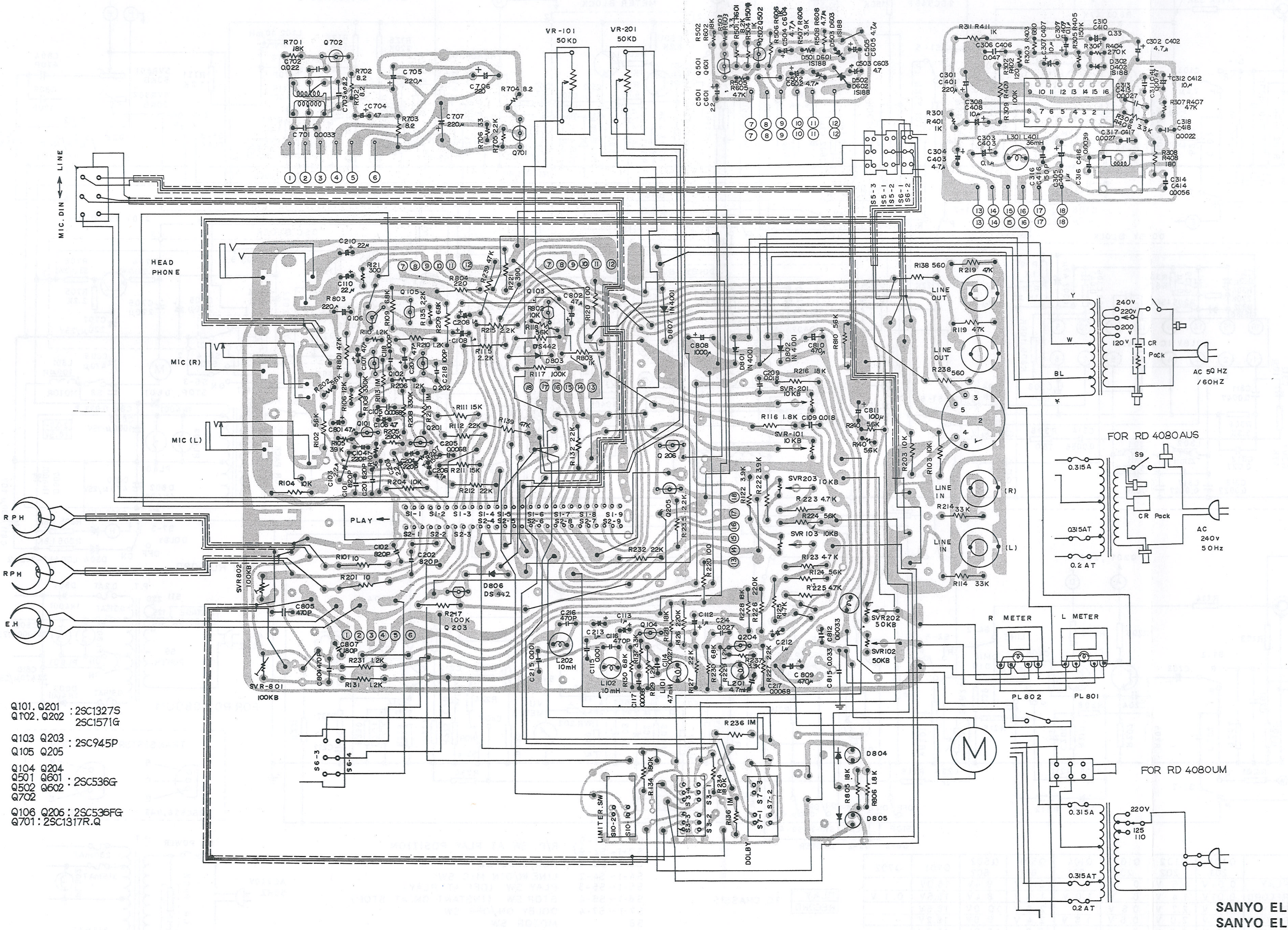
The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

Section	Ref. No.	Original Part No.	New Part No.	Description	Reason
MECHANISM	28	141-0-531T-02300	141-0-531T-02301	Reel plate Assy, Supply real	E
MECHANISM	29	141-0-531T-02400	141-0-531T-02401	Reel plate Assy, Take up real	E

REASON FOR MODIFICATION
A ..... Standardization
B ..... Change of materials
C ..... Improvement of reliability
D ..... Improvement of performance
E ..... Miss print

SANYO ELECTRIC TRADING CO., LTD.
OSAKA, JAPAN

WIRING DIAGRAM


VR-101
50KD
VR-201
50KD
MIC. DIN ↔ LINE
HEAD PHONE
MIC (R)
MIC (L)
RPH
RPH
E.H
PLAY
SVR-801
100KB
SVR 802
100KB
LINE OUT
LINE OUT
LINE IN (R)
LINE IN (L)
R METER
L METER
PL 802
PL 801
M
LIMITER SW
DOLBY
D804
D805
S6-3
S6-4
S5-3
S5-1
S5-2
S6-1
S6-2
240V
220V
200
120V
CR Pack
AC 50 HZ
/60HZ
FOR RD 4080AUS
0.315A
S9
0.315AT
0.2 AT
CR Pack
AC
240V
50Hz
FOR RD 4080UM
220V
125
110
0.315A
0.315AT
0.2AT

Q101. Q201
Q102. Q202 : 2SC1327S
2SC1571G

Q103 Q203
Q105 Q205 : 2SC945P

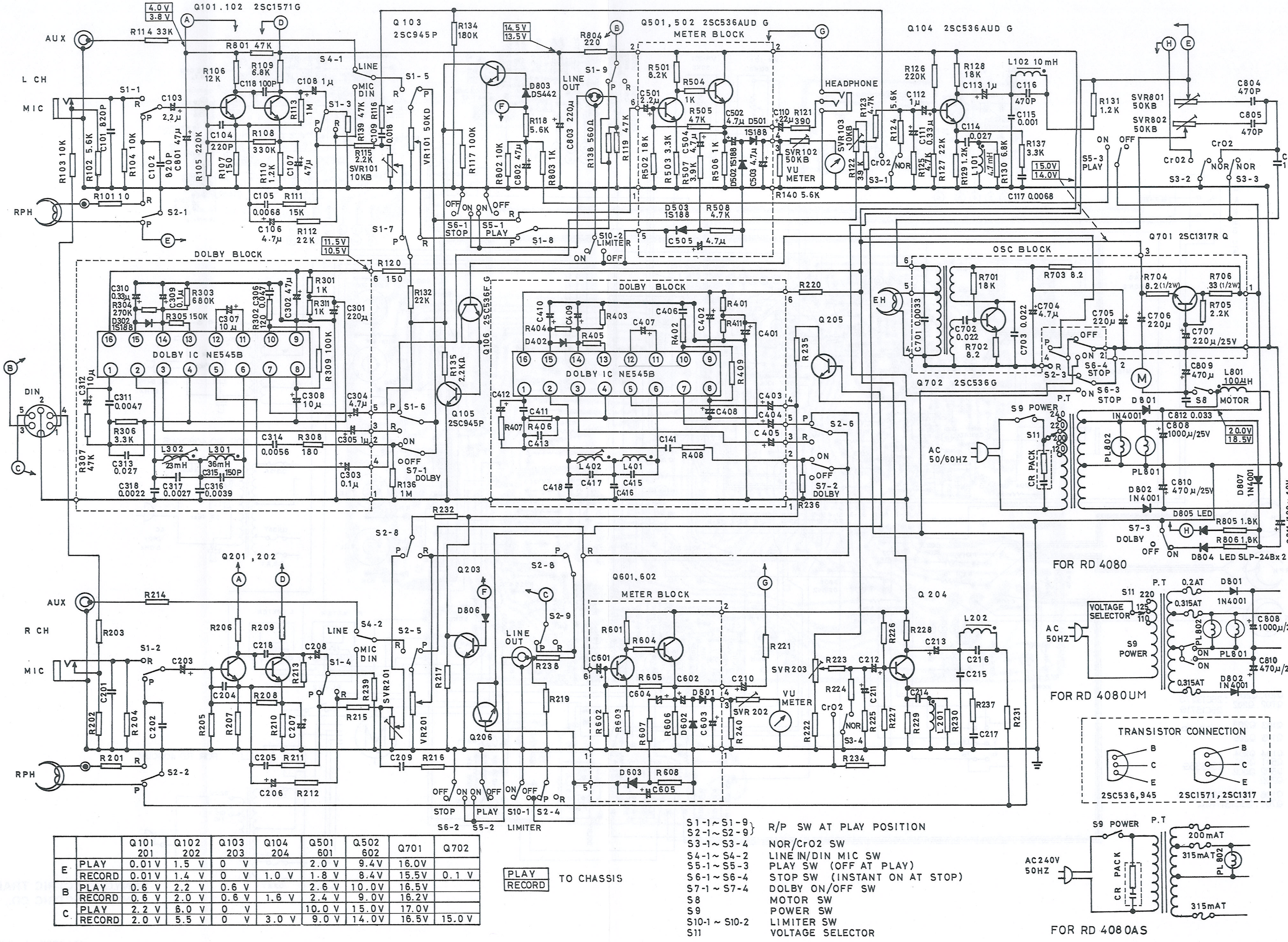
Q104 Q204
Q501 Q601
Q502 Q602 : 2SC536G
Q702

Q106 Q206 : 2SC536FG
Q701 : 2SC1317R.Q

SANYO ELECTRIC TRADING CO., LTD.
SANYO ELECTRIC CO., LTD. OSAKA, JAPAN

WM-1297 Jan/'76/1500 Printed in Japan

SCHEMATIC DIAGRAM


Q101.102 2SC1571G
Q103 2SC945P
Q501,502 2SC536AUD G
METER BLOCK
Q104 2SC536AUD G
AUX
L CH
MIC
RPH
DIN
DOLBY BLOCK
DOLBY IC NE545B
Q106 2SC536F G
Q105 2SC945P
Q205
OSC BLOCK
Q701 2SC1317R Q
Q702 2SC536G
HEADPHONE
VU METER
LINE OUT
S9 POWER
AC 50/60HZ
CR PACK
MOTOR
FOR RD 4080
R CH
Q201,202
Q203
Q206
Q601,602
Q204
FOR RD 4080UM
VOLTAGE SELECTOR
AC 50HZ
TRANSISTOR CONNECTION
2SC536,945
2SC1571,2SC1317
FOR RD 4080AS
AC240V 50HZ
STOP
PLAY
LIMITER
PLAY
RECORD
TO CHASSIS

		Q101 201	Q102 202	Q103 203	Q104 204	Q501 601	Q502 602	Q701	Q702
E	PLAY	0.01 V	1.5 V	0 V		2.0 V	9.4V	16.0V	
	RECORD	0.01 V	1.4 V	0 V	1.0 V	1.8 V	8.4V	15.5V	0.1 V
B	PLAY	0.6 V	2.2 V	0.6 V		2.6 V	10.0V	16.5V	
	RECORD	0.6 V	2.0 V	0.6 V	1.6 V	2.4 V	9.0V	16.2V	
C	PLAY	2.2 V	6.0 V	0 V		10.0 V	15.0V	17.0V	
	RECORD	2.0 V	5.5 V	0 V	3.0 V	9.0 V	14.0V	16.5V	15.0 V

S1-1 ~ S1-9 S2-1 ~ S2-9	R/P SW AT PLAY POSITION
S3-1 ~ S3-4	NOR/CrO2 SW
S4-1 ~ S4-2	LINE IN/DIN MIC SW
S5-1 ~ S5-3	PLAY SW (OFF AT PLAY)
S6-1 ~ S6-4	STOP SW (INSTANT ON AT STOP)
S7-1 ~ S7-4	DOLBY ON/OFF SW
S8	MOTOR SW
S9	POWER SW
S10-1 ~ S10-2	LIMITER SW
S11	VOLTAGE SELECTOR

4S3/48

MODIFICATION NOTICE

SANYO

CASSETTE TAPE DECK

Chassis Nos.
Serial Nos.
Run Nos.
Date

Date Jun. 20, 1977 Issued by

RD 4080	RD 4055	RD 4260
RD 4080 G	RD 4055 G	RD 4260 G
RD 4080 UM	RD 4055 UM	RD 4050
RD 4080 AUS	RD 4450 CANADA	

The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

Section	Ref. No.	Original Part No.	New Part No.	Description	Reason
MECHANISM	28	141-0-531T-02300	141-0-531T-02301	Reel plate Assy, Supply real	E
MECHANISM	29	141-0-531T-02400	141-0-531T-02401	Reel plate Assy, Take up real	E

REASON FOR MODIFICATION
A ..... Standardization
B ..... Change of materials
C ..... Improvement of reliability
D ..... Improvement of performance
E ..... Miss print

SANYO ELECTRIC TRADING CO., LTD.
OSAKA, JAPAN

Printed in Japan 4000

493/48

MODIFICATION NOTICE

SANYO

CASSETTE TAPE DECK

Chassis Nos.
Serial Nos.
Run Nos.
Date

RD 4080	RD 4055	RD 4260
RD 4080 G	RD 4055 G	RD 4260 G
RD 4080 UM	RD 4055 UM	RD 4050
RD 4080 AUS	RD 4450 CANADA	

Date Jun. 20, 1977 Issued by

The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

Section	Ref. No.	Original Part No.	New Part No.	Description	Reason
MECHANISM	28	141-0-531T-02300	141-0-531T-02301	Reel plate Assy, Supply real	E
MECHANISM	29	141-0-531T-02400	141-0-531T-02401	Reel plate Assy, Take up real	E

REASON FOR MODIFICATION

A ..... Standardization
B ..... Change of materials
C ..... Improvement of reliability
D ..... Improvement of performance
E ..... Miss print

SANYO ELECTRIC TRADING CO., LTD.
OSAKA, JAPAN